

Amendments to the Specification:

Please replace the paragraph beginning at line 12 and ending at line 23 on page 8 of the original application and shown as paragraph [0038] in the published application, with the following amended paragraph:

[0038] Second portion 18 has a calf portion 24 that includes second inflatable chamber 20 and an ankle portion 26 that includes third inflatable chamber 22. It is contemplated that the first portion and second portion 18 may be disposed about various portions of a subject's limb, according to the requirements of a particular vascular therapy application. Ankle portion 26 includes a valve connector 64 in fluid communication with a pressurized fluid source 30 via valve connector 28 and tubing 62 (FIGS. 4C and 4D) and chambers 16, 20 and 22 via a fluid pathway including tubing, as will be discussed below (see, for example, the valve connector described in U.S. patent application Ser. No. 10/784,639, filed on Feb. 23, 2004, publication No. US2005/0184264, and entitled Fluid Conduit Connector Apparatus, the entire contents of which is hereby incorporated by reference herein). Tubing 62 is made up of three separate tubes or lumens 65A, 65B and 65C. This configuration facilitates fluid communication between pressurized fluid 30 and chambers 16, 20 and 22.

Please replace the paragraph beginning at line 8 and ending at line 15 on page 10 of the original application and shown as paragraph [0045] in the published application, with the following amended paragraph:

[0045] Valve connector 28 communicates with chambers 16, 20 and 22 via a fluid pathway. The fluid pathway includes tubing 62 that connects valve connector 28 to pressurized fluid source 30, which may include a pump (see, for example, the controller pump described in U.S. patent application Ser. No. 10/784,323, filed on Feb. 23, 2004, now U.S. Patent No. 7,354,410, and entitled Compression Treatment System, the entire contents of which is hereby incorporated by reference herein). Pressurized fluid source 30 may be stationary or portable. It is contemplated that pressurized fluid source 30 may

include the necessary electronics, computer software, etc. to carry out vascular therapy, in accordance with the principles of the present disclosure.

Please replace the paragraph beginning at line 23 on page 11 and ending at line 5 on Page 12 of the original application and shown as paragraph [0050] in the published application, with the following amended paragraph:

[0050] After desired period of time for sequential compression elapses, e.g., recovery time, etc. pursuant to the requirements of a particular vascular therapy application, thigh portion 14 may be removed from second portion 18. Thus, sleeve 12 is convertible from the length extending from below the knee to above the knee, to a length extending solely below the knee. Sleeve 12 is manipulated such that thigh portion 14 is removed and torn completely from calf portion 24 via perforations 32 extending continuously across the sleeve from adjacent one boundary edge of the sleeve to adjacent an opposite boundary edge of the sleeve, the first and second portions of the sleeve being located on opposite sides of the perforations, as shown in FIGS. 6A and 6B. Port 70, connected to tubing 68, is easily manipulated to quick disconnect from valve connector 28, as shown in FIG. 5B. The remaining portion of sleeve 12, second portion 18 including calf portion 24 and ankle portion 26, is stand alone and continues to operate as described above. This converts sleeve 12 from a full leg length apparatus to a knee length apparatus. Compression apparatus 10 may be employed to completion of a desired vascular therapy application. Other methods of use are also contemplated, for example, the thigh portion 14 may not be removed and remain with the sleeve 12.

Please replace the paragraph beginning at line 23 on page 12 and ending on page 13 of the original application and shown as paragraph [0053] in the published application, with the following amended paragraph:

[0053] It will be understood that various modifications may be made to the embodiments disclosed herein. For example, the tear away and removable features of the instant compression apparatus 10 may be employed with other compression apparatuses (see,

compression apparatus described in U.S. patent application Ser. No. 10/784,640, filed on Feb. 23, 2004, now U.S. Patent No. 6,994,125, and entitled Compression Apparatus, the entire contents of which is hereby incorporated by reference herein). Therefore, the above description should not be construed as limiting, but merely as exemplification of the various embodiments. Those skilled in the art will envision other modifications within the scope and spirit of the claims appended hereto.